

## Agricultural Department.

CONDUCTED BY ALBERT CHAPMAN.

**Premium Cheese.**  
How THOSE KNOWN AT THE N. Y. STATE FAIR WERE MADE.

The premium on cheese at the recent N. Y. State Fair, was awarded to Wright's Factory of Whitesboro, Oneida Co., N. Y. This factory has always had a good reputation in the markets, and it will be of interest, perhaps, to our readers to give the process of manufacture. As we were upon the committee in making the awards, we are able to say that the committee—after testing carefully all the cheeses entered for premiums—at once decided in favor of Dr. Wright's cheese. The cheeses entered by the North Fairfield Association, Herkimer Co., N. Y., were entered only for exhibition, and therefore did not compete for a premium. The samples shown were of the finest description, and the Committee recommended a Certificate of Merit, or a premium, equal to any sample at the Fair. We hope soon to obtain and print the method of manufacture adopted at the North Fairfield factory. Meanwhile, we give the process practiced at the Wright factory, as given by the proprietor Dr. Wright.

It will be seen that the method of preparing rennet differs from that at other factories, though we do not consider the plan adopted in any way superior to other plans in use.

### PREPARATION OF RENNET FOR USE.

Three earthen jars are procured numbered and placed in a line three days before the preparation is commenced. In number one, as many rennets are placed as can be found by experience to be needed each day, which is about one good rennet for each vat of milk of 4,000 pounds. A small quantity of sour whey, and one-half pint of salt is placed in the same jar.

The next day the rennets are rubbed out, and placed in jar No. 2, with whey and salt. The third day the rennets are rubbed out, and placed in jar No. 3, with whey and salt, and those in jar No. 1, are placed in jar No. 2, and the same number of fresh rennets are placed in jar No. 1.

We now use the liquid from jar No. 1 each day, at the same time rubbing out the rennets and putting them in other jars as before, and dipping the same quantity of liquid as used from jar No. 3 to jar No. 2, and from jar No. 2, to jar No. 1, each day putting the same number of rennets into jar No. 1, and the same quantity of whey and salt in jar No. 3. The rennets in jar No. 3 are rubbed out and removed every few days.

### MODE OF MAKING CHEESE.

The night's milk is drawn into the vat, and cooled to 65° by Austin's Agitator, and running water. The morning's milk is run into the vat, and the whole heated to 81°, when the rennet and annatto are stirred in.

As soon as the coagulated milk will break smoothly over the finger, and become a little very hard, cut and cross-cut, but not too closely. Heat by dry steam to 95° or 98°, in the mean time, stir with rods to prevent packing. Let it remain until the whey is slightly acid. Draw off the whey and pack the curd on each side of the vat to drain, air, and acidify.

Next cut the curd in square pieces and reverse those next to the side of the vat placing the others on them also reversed. When the curd is quite acid, pass it rapidly through a curd mill, using steam power, and immediately salt, using from two to two and a quarter pounds of salt to one hundred pounds of curd, thoroughly incorporating the salt, and put to press directly.

Press twenty-four hours, and remove to the curing house, turning daily for three weeks, and then every other day. Sell when from thirty to forty days old. Good judges and experienced men, for the highest price cheese are going for in Oneida county.

### Advantages of Fall Ploughing.

BY E. C. GOSCO, HOLBROOK, VT.

Without elaborating the many strong points in favor of fall ploughing, a few of the prominent benefits may be briefly stated as follows:

1st, August and September is a good time to turn over bound out soil, and manure and re-seed it at once to grass, obtaining a crop of hay the following year.

2d, October and November is an excellent time to break up and land for planting the following spring.

3d, The weather is then cool and bracing, and the team strong and hearty for the work; while the weather in the spring is more relaxing and the team less able; and the spring work being always hurrying, it saves time to dispatch as much of the ploughing as possible during the previous autumn.

4th, Soil land broken up early in autumn will be quite free from growing weeds the following spring; the roots of the late returned soil being so generally killed by the immediate succeeding winter, that not much grass will readily start in spring.

5th, The frosts of the winter disintegrate the ploughed land, so that it readily crumbles in fine particles in the spring, and a deep, mellow seed bed is easily made. The chemical changes and modifications resulting from atmospheric action during winter develop latent fertility in the upturned furrows, which together with mellowing influences, materially increases the crop.

6th, Most kinds of insects are either wholly destroyed, or their depredations are materially checked by late fall ploughing, especially the common white grub and the cut-worm.

7th, Corn stubble land may be ploughed late in the fall, and thus be ready for very early sowing in the spring, therefore going far to insure a good crop of grass; the roots of the new seeding getting hold, or being well established before the frosts of summer come on.

8th, Most land in New England needs deeper ploughing than has generally been practised. When the subsoil is fine grained, and unctuous and close where there is a hard pan of good quality, deep ploughing may be at once resorted to with decided advantage. Where the subsoil is poorer, the ploughing may still be advantageously deepened by degrees, say an inch at each new breaking up. But in by far a majority of cases, deep ploughing may be practised at once—indeed it may be the rule with safety, while shallow ploughing may be the exception. Plough my nine, ten, eleven or twelve inches in November. The subsoil turned up will grow several shades darker by spring. The forest and atmospheric influence of winter will mellow the soil, the inorganic elements and all the latent fertility will be made more active for benefiting the crop. In the spring spread the manure, and plough it in, or otherwise work it in or mellow it with the soil to the depth of four inches, or a little

more or less, and you have the very best attainable conditions for realizing good crops. Deeper ploughing may thus be practised, then would at all times be safe and expedient, if the ploughing is delayed till spring.

### Thoughts in the Twilight.

In the morning all is bright,  
In the evening all is gray;  
So is youth, and so is age;  
Not strays all, not always gray.  
Each of us have our joys,  
And some of sorrow to bear;  
We may fret, or we may weep,  
We'll only be the worse for wear.  
Though the day be dark and drear,  
Not a ray of sunshine comes,  
Not a gleam, or word of cheer;  
And clouds enshroud the mid-day sun,  
Give not up to dire despair.  
Though cares are sore distressing,  
For what you think are woes  
May prove your greatest blessing.  
Struggle bravely with the waves,  
Though they're high, and strong the tide,  
This our motto ever be,  
Look always on the brightest side.

### The Independent.

SUBSCRIPTION PRICE ONLY \$2.50 PER ANNUM.

### Its Extensive Circulation in all parts of the Country.

The Independent of New York has issued a circular to its business patrons, which reads as follows:

The following facts and figures taken from our Mail Books prove most conclusively that The Independent is the best advertising medium in the country. We stand ready to show our books to any advertiser who doubts the accuracy of our statement. We are astonished ourselves at this revelation of unparalleled facts and figures made in our books. Advertisers will also bear in mind that The Independent probably circulates—through news agents, to whom we make large sales in many places not mentioned on our Mail Books. We do not believe, for instance, that any single newspaper in the State of Massachusetts, either secular or religious, goes into so many towns or to so many post-offices in that State as does The Independent; and the same, we believe, is true of Illinois, and also of every other Northern state. In other words, The Independent has a wider circulation in each of the Northern states than any other journal, either local or foreign. If a business man, therefore, in Boston, Chicago, or elsewhere, wants to communicate with the public in his own state and vicinity, The Independent will be seen, is by far the best medium.

Our crowded advertising columns conclusively show that business men in all directions already appreciate our ability to aid them; and we are not afraid to refer indiscriminately to thousands of such in New York and elsewhere. We mean it shall not be our fault if The Independent does not go to every post-office in the country. In other words, we mean to merit the patronage of all good people in every direction.

The following figures show the number of post-offices to which The Independent is now sent in the several states mentioned.

State. No. of P. O.'s to which sent. State. No. of P. O.'s to which sent.

Mass.	700	429	Ill.	1,522	1,017
New Hampshire	355	264	Ind.	1,257	807
Vermont	145	109	Iowa	1,017	610
Maine	145	109	Wisconsin	984	605
Massachusetts	646	429	Mich.	800	510
Rhode Island	94	59	Minnesota	419	274
Connecticut	282	188	Missouri	1,001	610
New York	5,002	3,003	Kansas	449	274
New Jersey	486	315	Nebraska	114	72
Pennsylvania	2,816	1,816			
Ohio	1,943	1,017			
Indiana	1,257	807			
Illinois	1,522	1,017			
Wisconsin	984	605			
Michigan	800	510			
Minnesota	419	274			
Missouri	1,001	610			
Kansas	449	274			
Nebraska	114	72			

### The Gulf Stream.

A writer gives the following graphic description of the Gulf Stream—There is a river in the ocean. In the severest drouth it never fails, and in the mightiest floods it never overflows. Its banks and its bottom are of cold water, while its current is warm. The Gulf of Mexico is its fountain, and its mouth is the Arctic seas. It is the Gulf Stream. There is in the world no other so majestic a flow of water. Its current is more rapid than the Mississippi or the Amazon, and its volume more than a thousand times greater. Its waters as far out as the Carolina coasts, are of an indigo blue. They are so distinctly marked that the line of junction with the common sea water may be traced by the eye. Often one-half of the Gulf Stream water, while the other half is in the common water of the sea, so sharp is the line and the want of affinity between those waters, and such, too, the reluctance, so to speak, on the part of those of the Gulf Stream, to mingle with the waters of the sea. In addition to this there is another peculiar fact. The fishermen on the coast of Norway are supplied with wood from the tropics by the Gulf Stream. Think of the Arctic fishermen burning upon their hearths the palms of Hawaii, the mahogany of Honduras, and the precious woods of the Amazon and Orinoco.

### HINTS TO YOUNG MEN.

1. Marriage is a fair transaction on the face of it.

2. Sum marry for duty, and never discover their mistake; this is lucky.

3. Sum marry for pedigree and feel big for six months, and then cum taw the conclusion, the pedigree ain't no better than skin-deep.

4. Sum marry two pleasure their relations and are surprised that their relations don't care a cuss for them afterwards.

5. Marry Yung!—there is but one good excuse for a marriage late in life, and that is, a second marriage.

### HINTS TO YOUNG WOMEN.

1. Don't undertake to live with your mother-in-law, but if you cum taw a wussness, let your mother-in-law live with you.

2. Never let your husband know more than one half the affections you have for him.

3. Don't name a yung one after a bachelor brother, nor a bachelor sister.

4. Observe these rules fondly, keep your feet dry, and wear hair slick, and you will prove a model wife (and after that) an acceptable widder.

### The first velvet factory in the United States has just been started in Kansas.

A fellow professing to be a clergyman has been hugging the people of Hardwick, Vt. He got intoxicated and disclosed his true character.

The latest thing in funeral processions in the West is a wagon to precede the horse, bearing a bell, which is tolled on route to the grave.

The Merrimack Street Baptist church, Manchester, N. H., will commemorate its quarter centennial on the 11th.

## LOOK AT THIS!

Now Opening.

A LARGE ASSORTMENT OF

Men and Boys

WINTER BOOTS,

AT

CHAPMAN BROS.

ALSO

Register Printing Co.

Are not prepared to do every variety of

BOOK & JOE

PRINTING

FROM A

SMALL CARD

TO A

MAMMOTH POSTER,

ALL WORK

PROMPTLY EXECUTED.

IN THE HIGHEST STYLE OF THE ART.

WE KEEP ON HAND A STOCK OF

ENVELOPES.

LETTER HEAD PAPER,

Letter and Note Sheet.

BILL HEAD PAPER,

&C., &C., &C.

1870-71.

FRESH SUPPLY OF GOODS

AT THE

Register Printing Co's

BOOK STORE.

We would give notice that our stock of

BOOKS, STATIONERY,

AND

FANCY ARTICLES.

Has been largely replenished within a few days, and that those wishing anything in our line will find it for their interest to call and examine our stock and prices. Among the

FANCY GOODS.

may be found Toy Drums, Baskets, Bass Balls, Croquet, Work Boxes, Fancy Boxes, Tin and Wooden Toys, Building Blocks, Bagatelle Boards, Chessmen, Dominoes, Games, (in great variety), Albums cheaper than ever before offered in this market, Wallets, Pocket-books, Bill Holders, Pen-holders, &c., &c.

MISCELLANEOUS BOOKS.

BLANK BOOKS.

SCHOOL BOOKS.

GIFT AND TOY BOOKS.

Plain and Initial Stationery, Bristol Board, Drawing Paper, Blotting Paper, Ink, Mutilage, Rubber Bands, Pencil Sharpeners, &c.

Boys' Sleds, an endless variety of Brackets, together with a splendid assortment of fine

CHROMO PAINTINGS.

Wrapping Paper, which will be sold low

Writing Paper and Envelopes,

cheaper than ever. For further particulars call and examine the goods named and an endless number not named.

NEW FIRM.

The subscribers having purchased of A. Wilcox his late and entire stock of goods, will keep on hand a large assortment of

Cook & Parlor Stoves.

among them the Stewart

Base Burning Parlor Stove,

Also the

IMPROVED STEWART COOK STOVE

with Pumping Grate, for coal or wood; an improvement made last year, and so arranged that it is not the most perfect front hot draft stove made and the most economical.

Also other first class Cook Stoves of several different styles and patterns.

Also Pipe, Tin and House Ware, Pumps, Lead Pipe, Sheet Lead, Zinc, Sinks, Wooden Ware and various other things.

JOBS WORK of all kinds promptly attended to, and good stock used for all kinds of work.

WILCOX & HYDE.

JOHN HYDE.

Middlebury, Oct. 21, 1870.

25th

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Middlebury, Oct. 21, 1870.

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## TAKE NOTICE.

We have just received a complete assortment of

PURE DRUGS

CHEMICALS.

Patent Medicines.

PERFUMERY, COLOGNES.

HAIR

TOOTH,

NAIL,

And FLESH

BRUSHES.

Wool. Wool. Wool.

I still have room for a few thousand pounds more wool at the

NORTH FERRISBURGH FACTORY

for which I am willing to pay the very best market price, in exchange for my

PLAIN AND FANCY CASSIMERES.

BLACK AND BROWN DOESKINS

BEAVERS, COATINGS,

COATINGS, FANCY PLAIDS,

FULL CLOTHS, CHECKS, &C

or to manufacture by the yard. We have on hand a great variety of

FANCY FIANNELS

usable for children's and children's wear. We have

LADIES' CLOTHS

in great variety. Stocking yarn, &c. The first in the State, all made here and warranted. We were

Largest and Best Assortment

of Goods that can be found in any store in the State, all made here and warranted. We were

The First Premium and Diploma

at the Vermont State Fair of 1869, for the superior excellence of our goods, and also, at the Adirondack State Fair. We received the First Premium for our Superior

FULL CLOTHS, CASSIMERES, AND VESTINGS

We are now most ready to add to our large assortment of goods one more desirable style of

SILK MIXTURES.

The silk for which we ask \$35 per pound. Our aim is to furnish good cloth, on shares, or in exchange for wool as can be bought for cash. We thank our friends and the public for their liberal patronage during the last year, and we hope that by strict attention to business, and the sale of our goods, we can continue to give satisfaction to all who are pleased to favor us with a call.

No. Ferrisburgh, Vt., May 24, 1870. 15th

1870.

CALL UPON TWITCHELL & BROOKS

at TWITCHELL & BROOKS.

Feb. 1, 1870.

1870.

W. W. THE UNDERSEIGNED HAS

just purchased of James Davenport, Esq., his entire stock of goods, and tested his stock for a term of years, with a view to inform our friends and public generally, that we intend to carry on the Hardware and Tin business, and hope to merit a share of